

Supplemental Material to:

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**Blocking farnesylation of the prelamin A variant in
Hutchinson-Gilford progeria syndrome alters the
distribution of A-type lamins**

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Legends to Supplementary Figures

Figure S1. AVI movies showing 3-dimensional representations of the intracellular localizations of GFP-progerin (left) and GFP-progerin-NF (right) in transiently transfected MEFs. Click on each panel to start movie. This figure shows the same cells as Figure 1A.

Figure S2. AVI movies showing 3-dimensional representations of the co-localizations of GFP-progerin (left) and GFP-progerin-NF (right) with immunofluorescent anti-lamin A antibody labeling in transfected MEFs. Click on each panel to start movie. This figure shows the same cells as Figure 2, merged images in overlap color.

Figure S3. AVI movies showing 3-dimensional representations of the co-localizations of GFP-progerin (left) and GFP-progerin-NF (right) with RFP-lamin C in co-transfected MEFs. Click on each panel to start movie. This figure shows the same cells as Figure 3, merged images in overlap color.

Figure S4. AVI movies showing 3-dimensional representations of the co-localizations of GFP-progerin (left) and GFP-progerin-NF (right) with immunofluorescent anti-lamin B1 antibody labeling in transfected MEFs. Click on each panel to start movie. This figure shows the same cells as Figure 4, merged images in overlap color.

Figure S5. AVI movies showing 3-dimensional representation of the localizations of GFP-progerin, anti-lamin A antibody immunostaining (left), anti-lamin B1 antibody immunostaining (meddle) and RFP-lamin C (right) in transfected MEFs treated with 10 μ M FTI-276. Click on each panel to start movie. This figure shows the same cells as Figure 5, merged images in overlap color.

Figure S6. AVI movies showing 3-dimensional representations of the localizations of GFP-progerin (A and C) and GFP-progerin-NF (B and D) with anti-LAP1 (A and B) or anti-emerin (C and D) immunostaining in transfected MEFs. Click on each panel to start movie. This figure shows the same cells as Figure 6A and B, merged images in overlap color.